

## **Economics of TMR Formulation (Complete Feed Block) for Tharparkar Cattle**

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### **Abstract**

Economics of TMR( complete feed block) was computed for Tharparker cattle utilizing local ingredients. Total formulation cost was around Rs. 6.05 / kg.

**Keywords:** Total mixed ration (feed block); Economics, maintenance; Local ingredients.

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## Introduction

An experiment was planned and conducted to explore, economics of TMR (feed block) formulation based on locally available ingredient of semi-arid region of Rajasthan for Tharparkar cattle using various local ingredients. Total mixed ration (TMR) is a revolutionary concept in the feeding and delivering the nutrients to the bovines. TMR is the best way for balancing the feed for the animals and improve the nutrient utilization, resulting in optimum productive and reproductive performance of the animals.

## Material and method

Ingredient selected were barley, Deoiled rice bran, Til cake, Chaula churi, mineral mixture, common salt and wheat straw. Nutrient requirements were estimated for body weight measurement of Tharparkar cattle at Durgapura Farm by Shefferd's formula. The body weight was around 364 kg and maintenance requirement was 0.288 kg DCP and 2.81 kg TDN. To meet out this requirement, feed block was prepared, with above ingredient in proportion of 75% roughages and 25% concentrate, using hydraulic pressure at 4000 psi by complete feed block machine.

## Result

Taking in to account, cost of ration, electricity and labor, cost of total mixed ration (feed block) formulation comes around 6.05 Rs. per kg. With DCP content of 14.3 percent which are very much economical and comparable to the commercial feeds available in the market.

## Conclusion

It is concluded that economic feed blocks can be prepared using local ingredient to maintain livestock particularly during scarcity period.

## References

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